

ABSTRACT

Based on a packet arrival time required for a specified
5 reference number of packets corresponding to the
transmission window size to arrive, the receiver 120
generates the new window size information, adds it to
the accumulative ACK packet, and returns it to the
transmitter 110. The transmitter 110 transmits the
10 packets with a transmission window size determined in
response to the new window size information from the
receiver 120. The communication system 100 of the present
invention controls the quantity of packets being
transmitted before occurrence of congestion of the
15 packets being transmitted.